

Title (en)

Absorbent article for reducing urine odor

Title (de)

Absorbierende Artikel zur Verminderung des Uringeruchs

Title (fr)

Article absorbant pour réduire l'odeur d'urine

Publication

EP 1331015 A3 20030806 (EN)

Application

EP 03250384 A 20030122

Priority

JP 2002015147 A 20020124

Abstract (en)

[origin: EP1331015A2] An absorbent article contains a hydrophilic fiber processed by a water-soluble deodorant containing a graft polymer having a deodorant functional group. This constitution ensures to have large deodorizing function per unit weight, compared to a particulate deodorant. Consequently, the constitution allows to decrease a weight of the deodorant and to excel in deodorizing function. Moreover, it is unnecessary to fix the deodorant and easy to compound with the absorbent article. Therefore, it allows to obtain an absorbent article having excellent aesthetics and cleanness. <IMAGE> <IMAGE>

IPC 1-7

A61L 15/46; **A61F 13/15**

IPC 8 full level

A61F 13/49 (2006.01); **A61F 5/44** (2006.01); **A61F 13/15** (2006.01); **A61F 13/53** (2006.01); **A61L 15/46** (2006.01)

CPC (source: EP KR US)

A61F 13/8405 (2013.01 - EP US); **A61L 15/46** (2013.01 - EP KR US); **A61F 2013/8408** (2013.01 - EP US); **A61L 2300/204** (2013.01 - EP US); **A61L 2300/21** (2013.01 - EP US); **A61L 2300/45** (2013.01 - EP US); **Y10S 428/905** (2013.01 - EP US)

Citation (search report)

- [A] US 5932495 A 19990803 - BONEY LEE CULLEN [US], et al
- [X] DATABASE WPI Section Ch Week 200009, Derwent World Patents Index; Class D22, AN 2000-100916, XP002243093
- [A] DATABASE WPI Section Ch Week 198713, Derwent World Patents Index; Class A96, AN 1987-089438, XP002243094
- [A] DATABASE WPI Section Ch Week 200157, Derwent World Patents Index; Class A11, AN 2001-517670, XP002243095

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

EP 1331015 A2 20030730; **EP 1331015 A3 20030806**; **EP 1331015 B1 20100414**; AT E464071 T1 20100415; CN 1236748 C 20060118; CN 1433743 A 20030806; DE 60332068 D1 20100527; ES 2345043 T3 20100914; JP 2003210520 A 20030729; JP 3964685 B2 20070822; KR 100872388 B1 20081205; KR 20030064631 A 20030802; TW 200302073 A 20030801; TW 568774 B 20040101; US 2003171726 A1 20030911; US 7235707 B2 20070626

DOCDB simple family (application)

EP 03250384 A 20030122; AT 03250384 T 20030122; CN 03120038 A 20030124; DE 60332068 T 20030122; ES 03250384 T 20030122; JP 2002015147 A 20020124; KR 20030004725 A 20030124; TW 92101508 A 20030123; US 34833203 A 20030122